

Amendments to the Specification:

Please replace paragraph 36 with the following amended paragraph:

[0036] The compliance tube may also be sized to control the compliance of the scoring structure and expansible shell. ~~Generally, the compliance tube has wall thickness ranging from 0.01 in to 0.1 in.~~ The wall thickness may be increased to lessen the compliance of the system, or decreased to create a greater compliance. The length of the compliance tube may also be adjusted to control the compliance of the system. Generally, compliance tube has a length ranging from 1cm to 10 cm, but may range up to 30cm or more for embodiments wherein the tube extends across the length of the catheter body.

Please replace paragraph 39 with the following amended paragraph:

[0039] Preferably, compliance tube has an outer diameter that tapers from its distal end to its proximal end so that the outside diameter at the proximal end is slightly larger than the inner diameter, and the outside diameter at the distal end is sized to approximate the diameter of the scoring structure when in a collapsed configuration. This allows for the catheter to be readily removed from a vessel without catching or snagging on the vessel wall. For the tapered configuration, the outer diameter of the compliance tube will vary depending on the size of the catheter body and the expansion cage, ~~but the diameter generally tapers down in the range of .004 in to .010 in. from the distal end to the proximal end.~~

Please replace paragraph 100 with the following amended paragraph:

[0100] The compliance of the system may be varied by any combination of material selection, wall thickness, or length of the over-tube 258. Over-tube 258 may comprise any elastomer, such as elastic polymer like Nylon, Pebax, or PET. Typically, compliance tube 258 is formed from extruded tubing, but is may also comprise braided polymeric or metallic fibers, or wire mesh. A high memory metal such as nitinol or stainless steel may also be used. Where the compliance tube comprises an extruded polymeric tube, the wall thickness can ~~vary from 0.001" to 0.1" be~~

sized to control the compliance of the system, and the length of the tube can range from 1 cm to 10 cm. For the same material, the thinner-walled and longer the tube, the more compliant the system.